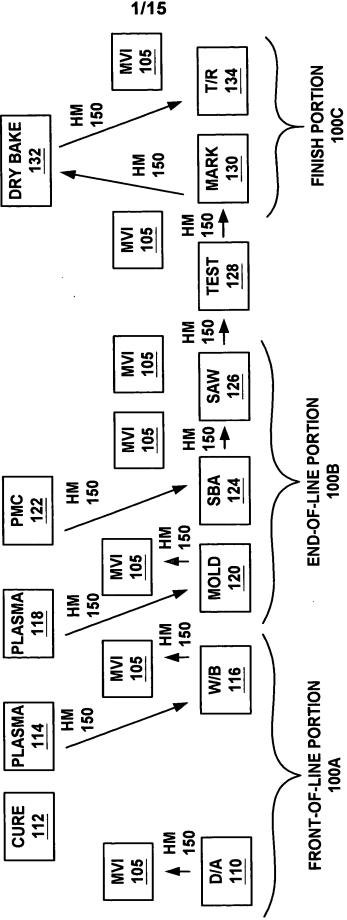
A METHOD OF PERFO

φ

GRATED CIRCUIT DEVICE

Attorney Docket #: CYPR-PM01010

n Chang

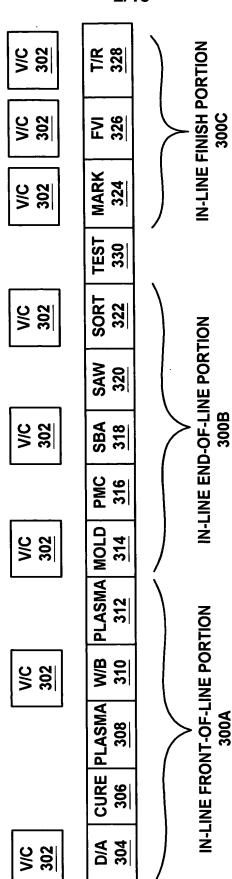


FC NG BACK-END MANUFACTURING OF AN Inventor (s): Thurman J. R dgers, Bo S n Cha

HODELY OF LEGICAL

E

FIGURE 2



3/15

FIGURE 3A

IN-LINE FRONT-OF-LINE PORTION

V/C 302

V/C 302

W/B 310

PLASMA 312

PLASMA 308

CURE 306

D/A

LOCOUNTE OGROCH

Att rney D ck t#: CYPR-PM01010

10165716 DJIOU

FIGURE 3B

	305	SORT 322
IN-LINE END-OF-LINE PORTION 300B		SAW 320
	V/C 302	SBA 318
		PMC 316
	305 302	MOLD 314

FIGURE 3C

IN-LINE FINISH PORTION 300C	30Z	T/R 328
	30Z	FVI 326
	30Z	MARK 324

HODESYLE GOHODE

TIBLE: A METHOD OF PERF NG BACK-END MANUFACTURING OF AN **GRATED CIRCUIT DEVICE** SEP 3 0 2002 H USSN: 10/085,716 Inv nt r (s): Thurman J. R dgers, Bo So n Chang THE TRACEME Att rn y D cket #: CYPR-PM01010

6/15

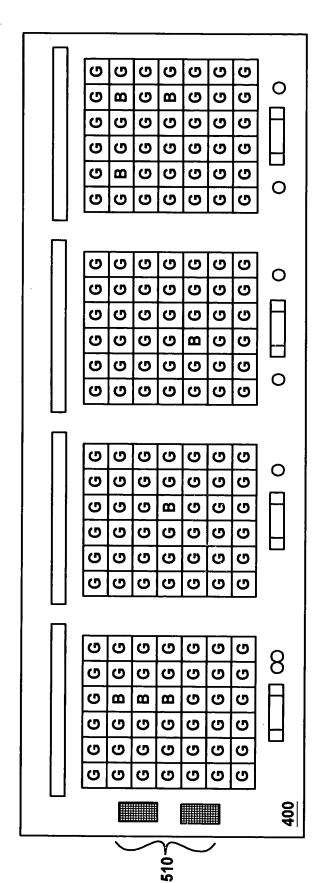
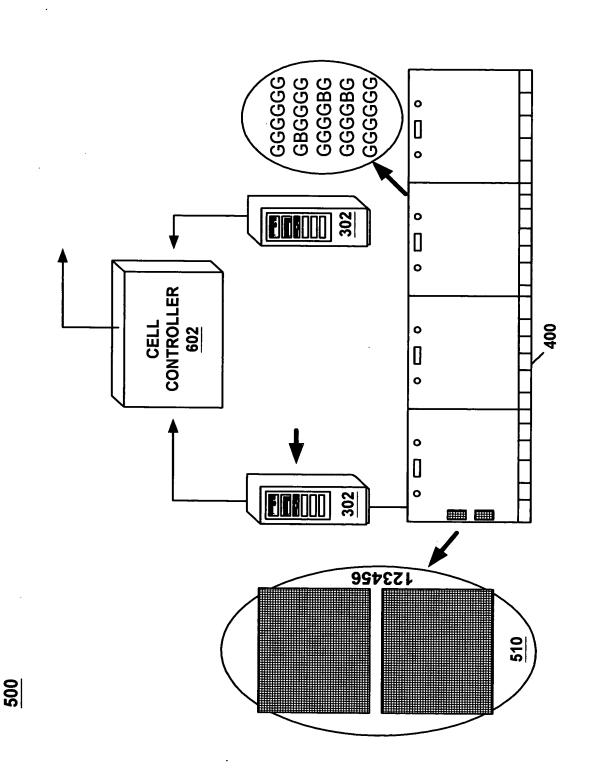


FIGURE 4

HODDWYLD "DOWDUL





7/15

FIGURE 7

FIGURE 8

GRATED CIRCUIT DEVICE

11/15

900

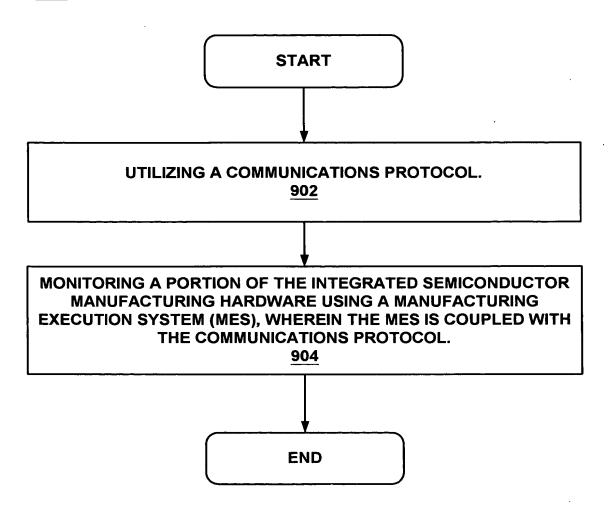


FIGURE 9

Att rn y Docket #: CYPR-PM01010

10/085,716

IMPLEMENTING A TRACKING PROCESS FOR THE DIE-STRIP WHICH IDENTIFIES INDIVIDUAL DIE-STRIPS AND THEIR RESPECTIVE LOCATIONS AS THEY TRAVERSE THROUGH THE IN-LINE ASSEMBLY LINE.

1002

ACCESSING AN ELECTRONIC DIE-STRIP MAP DATABASE THAT PROVIDES PARAMETER STORAGE FOR EACH INDIVIDUAL SEMICONDUCTOR COMPONENT WITHIN EACH DIE-STRIP.

1004

UTILIZING THE TRACKING PROCESS TO UPDATE THE ELECTRONIC DIE-STRIP MAP DATABASE AT EACH SUBSTATION THAT COLLECTS PARAMETER INFORMATION.

<u>1006</u>

CATEGORIZING THE DIE ON THE DIE-STRIP BASED ON INFORMATION MAINTAINED BY THE ELECTRONIC DIE-STRIP MAP DATABASE AND SPECIFICALLY REJECTING BAD DIE AND USING PARAMETER INFORMATION TO SORT DIE.

1008

END

FIGURE 10

HODDWYHO OFFICE

HOCKEN WHYNDON

Attorn y D cket #: CYPR-PM01010

13/15

1100

10/085,716

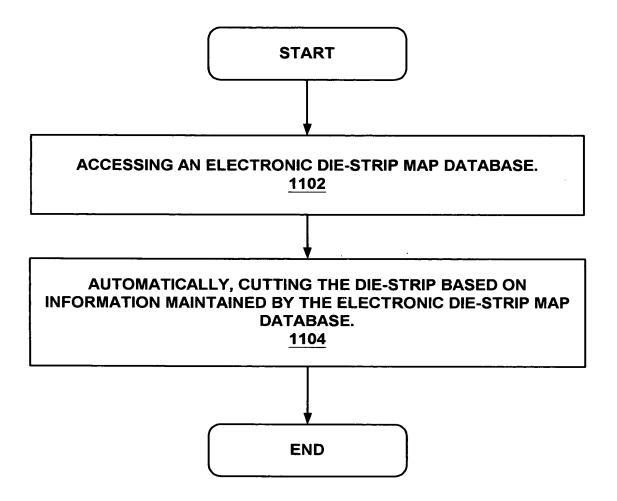


FIGURE 11

14/15

DATA STORAGE DEVICE

PROCESSOR

1201

1204

1212

OPTIONAL

DISPLAY DEVICE

1205

1210

BUS

SIGNAL INPUT OUTPUT COMM

1208

OPTIONAL

HOOMS ALVONOLL

A005

LOF

CELL CONTROLLER 602/604

EOF 300B

OBE

FIGURE 13